

FARM and GARDEN

LABOR FOR CORN BREEDERS

Better Quality and More Bushels Per Acre Should Be the Watchword of Every Farmer.

(By PROF. A. T. WIANCKE.)
First, I would say, begin corn breeding work upon a small scale. I would emphasize this because you can give a small plot more attention and it is better to make a big improvement in a small lot of corn than a small improvement in a large lot. A small plot planted with the few very best ears will produce enough to provide a fine quality of seed corn for the general crop the following season.

To begin with, you should secure a few good ears of the very best variety for your conditions. If you have not already got it, it may be advisable to conduct a small variety test of those varieties which appear to suit your conditions. In this preliminary work the varieties should be planted side by side under the same conditions and a careful study of each made.

Having selected the variety with which you wish to begin, give up all others and keep the variety pure by careful selection and keeping the breeding plant isolated so that pollen from other fields cannot reach it. You can always find a spot upon the farm where a small plant can be isolated. There are just as good reasons for keeping a variety of corn pure as there are for keeping a breed of live stock pure.

For the breeding plot we should always select a good, clean piece of ground, where the corn can be given the very best attention. Don't be afraid of spending too much time on this small plot. If you use the product as seed for the next year's field crop, you will be many times repaid for the extra trouble.

Plant each two ears in alternate rows and detassel all the rows of one of the ears, to prevent in-breeding, and select seed for next year's plot from the detasseled rows.

All breeding should be towards a single, definite type. In carrying out this we must keep in mind the size, form and color of the ear; the form, depth, shape, roughness and hardness of the kernel; the covering of butts and tips; the time of maturity, etc. The character and size of the stalk and the root and leaf development, as well as the position and character of the shank, must also be kept in mind. A good, vigorous stalk may make the difference between a good and poor crop, especially when seasons are unfavorable.

Productiveness must, of course, always be a leading interest and all barren and weak stalks should be destroyed before they shed pollen. The careful corn breeder should be personally acquainted with each and every stalk in the breeding plot and a record of the pedigree of each selected for seed in the breeding plot should be kept.

One Conductor Helped Back to Work

Mr. Wilford Adam is his name, and he writes: "I was confined to my bed with chronic rheumatism and used two bottles of Foley's Kidney Remedy with good effect, and the third bottle put me on my feet." It clears the blood of uric acid.

Co-op Drug Co.

PROSPERITY IN LOGAN.

Everton & Sons report very good trade in spring lines this year. They are building extensive additions to their store to take care of their increased trade.

DENATURED SUGAR FOR CALF

Found to Form Valuable and Economical Addition to Skim Milk—Result of Experiment.

It has been found that denatured sugar forms a valuable and economical addition to skim milk for calves. Denatured sugar is sugar to which various ingredients have been added for the purpose of rendering it unfit for human consumption. It is claimed that, contrary to general belief, it does not have an injurious effect on the digestive organs; on the contrary that its solubility renders it more digestible, and that it has a high food value. The amount fed at first is one ounce per quart of skim milk, and it is claimed that it can be fed to calves ten days after birth without danger. At first not over 3 1/2 ounces is given at a feeding, but afterwards the amount may be raised to 1 1/2 ounces per quart of skim milk.

Of two lots of four calves each fed on skim milk supplemented by starch and denatured sugar, as an experiment, the respective profits averaged \$13.24 per calf in the lot fed sugar and \$6.12 in the lot fed starch. The calves were kept an average of 95 days.

QUEER MUSICAL INSTRUMENTS

Flute Made From Bone of Defunct Enemy and Drum Cover From Skin of Leader.

The Guildford gentleman's discovery that a tolerable tune can be played on a bicycle pump is not so wonderful, after all. Did not Richard Strauss include a schoolmaster's cane in the orchestra for the performance of "Electra," and a new instrument called the heckelphone, which should be useful in electoneering? Buffalo horns, of course, have often been utilized for more or less musical purposes, and in the olden days fishes' shells and the shanks and shin bones of animals were made to give forth tunes of sorts. During the Maori war we discovered a native chief with a very tolerable flute fashioned out of the bone of a defunct enemy, but if any one has doubts as to the music that can be got out of bones, let him pay a visit to any English seaside resort in the coming summer. During one of the Servian campaigns some twenty years ago the troops marched to battle making hideous "music" out of old saucepans and kettles, and when John Ziska, the great Hussite leader, died, his skin was tanned and made into a drum cover in the hope that the resultant "music" would serve as a magical inspiration to the troops. Only a few years ago the Austrian bands each carried five or six "serpents" in the front rank. These instruments were in the form of a snake, the bell being shaped to represent its mouth, and painted blood-red inside, with huge white teeth and a wagging tongue, which moved up and down at every step.—Tit-Bits.

Poetic Apprentice.

A grocer's apprentice addicted to poetry has summoned his employer, a rich merchant of Ougitza, Servia, for unlawful dismissal. The merchant explained that his customers left because the boy answered all questions in rhyme and detained people while he fixed meter and verse. Moreover, he greeted his employer with a new couplet every day. The court found the merchant justified and advised the apprentice to mend his ways.—Belgrade Cor. Pall Mall Gazette.

If you haven't the time to exercise regularly, Doan's Regulets will prevent constipation. They induce a mild, easy, healthful action of the bowels without griping. Ask your druggist for them. 25c.

CASTE A BARRIER IN INDIA

Snobbery Sifted Into Fanatical Religious Faith Pale Description of Social Conditions.

First of all caste is a question of birth, and there is no entry except by birth. A worker in a coal mine may become a part owner thereof, and his daughter marry a peer, and his grandson become a peer of England. No millions will enable the low caste Hindu to marry into a Brahman family or even to touch the hand, or throw his shadow on the food of a Brahman in India.

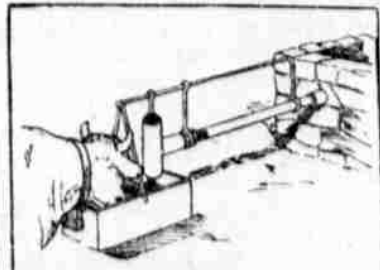
If a man is excommunicated by his caste fellows in India, no one of the caste will eat with him, accept water from his hands or marry him. His own wife will not touch him or speak with him. He is dead to his family. The barber even will not shave him, or cut his hair, or his toe nails. A Brahman clerk has been known to distribute legal documents by throwing them down at the end of the village street in which live his low caste brethren. Letter carriers have been known to refuse to enter the houses of, or to permit themselves to come into personal contact with those of a lower status than themselves.

If one could picture to oneself social snobbery lifted into a fanatical religious faith, it would be a pale description of the iron subdivisions of caste in India. There is no patriotism, and can be none, in a country thus divided against itself.—Scribner's Magazine.

WATER TROUGH IS AUTOMATIC

Receptacle Fills Itself as Often as Emptied, but Never Overflows—Valve Does Work.

A watering trough which will fill as often as emptied but will not overflow is shown in the illustration. The trough hangs from a spring arm, which is mounted on the water pipe. When the trough becomes nearly filled with



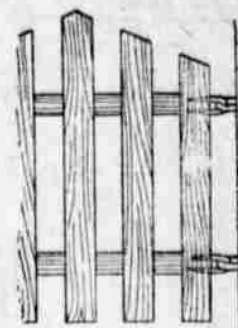
Automatic Watering Trough.

water the weight forces the valve stem down and shuts off the supply. Before the water in the trough is completely exhausted, the spring arm, no longer held down by the weight, lifts sufficiently to raise the valve and start the flow.

STAPLES USED FOR HINGES

Make Excellent Substitute for Real Article and Do Not Sag as Leather Will Always Do.

Two of my ranch buildings were built with a small space between them, and this space I had occasion to close up with a gate, writes Frank Robert of Lander, Wyo., in Popular Mechanics. I had no hinges at hand and knowing that those made of leather always sag, I set about to make up something that would answer the purpose. I so



Staples Used for Gate Hinges.

cured four large staples and drove two of them into one of the buildings so the points of each staple were in a horizontal position, allowing a small portion of each to project. Into these I placed the other staples and drove them into the gate with their points in a vertical position. The illustration shows the position of the staples. This made a good hinge for the light gate I used.

DOCTOR'S FEE IN JAPAN

Physician Receives a Present of as Much as Patient Can Afford.

A Japanese doctor never dreams of asking a poor patient for a fee. There is a proverb among the medical fraternity in Japan: "When the twin enemies poverty and disease invade a home, then he who takes aught from that home, even if it be given him, is a robber."

"Often," remarked a recent lecturer on "Life in Japan," "a doctor will not only give his time and medicine free to the sufferer, but he will also give him money to tide over his dire necessities. Every physician is his own dispenser, and there are very few apothecaries' shops in the empire."

"When even a rich man calls in a doctor he does not expect that he will receive a bill for medical services; in fact no such thing as a doctor's bill is known in Japan, although nearly all modern practices are in vogue there. The strict honesty of the people does not make it necessary for the doctor to ask a fee. When he has finished his visits to the patient a present is made to him, just as much as the patient can afford. The doctor smiles, bows, thanks his patient, and the transaction is settled."

CARING FOR THE "DRY" COWS

No Profit in Allowing Animals to Run Down in Flesh During Winter—Should Have Grain.

(By W. M. KELLEY.)
I know dairymen who do not feed strippers or dry cows any grain food during the winter until they freshen late in the winter or early spring. This may be a cheap way of roughing them through the winter, but such methods have never returned a profit on the writer's farm.

I know that it seems a loss to feed dry cows, but it is not so much a question as to whether a farmer can afford to feed them grain as it is whether or not he can afford to have them become run down in flesh and be unable to give a good yield of milk after they freshen in the spring.

Two pounds of good wholesome grain food a day to each cow will help wonderfully and in connection with good ensilage and clover hay will maintain her in very good condition.

We have found early cut clover hay one of the best winter feeds for dairy cattle. We have often changed from clover to timothy hay and invariably the yield of milk would fall off.

Well cured clover hay comes nearer to being a balanced food than any other one crop we grow on our farms. If the cow could hold enough clover hay we would not need to feed anything else, but she likes a variety and does decidedly better when fed ensilage with her clover hay. Corn ensilage adds palatability and succulence to the ration and makes it easier to masticate and digest than dry fodder.

The silo is also a great saver of labor and barn room and four tons of corn ensilage can be stored in the space occupied by one ton of hay.

The dairyman who is without a silo to provide succulence during the winter months is certainly up against a hard proposition.

The English Crisis.

Jason Blogg of (Pittsburg)—Well, Hypatia, which of 'em have you concluded to take, the Earl of Oldpark or the Count Appoggiatura? Miss Hypatia—I'm going to await developments, pop. If the Earl loses his veto, maybe I'll take the Count.—London Punch.

Stops earache in two minutes; tooth ache or pain of burn or scald in five minutes; hoarseness, one hour, muscle-ache two hours; sore throat twelve hours.—Dr. Thomas Electric Oil, monarch over pain.

SET OUT BRUSSELS SPROUTS

Are Great Delicacy and Represent Choice Dish of Cabbage Family—Allow Plenty of Room.

This plant deserves more attention than it usually receives in most gardens throughout the country. Many people do not grow it at all. The little sprouts borne in great profusion in the axils of the leaves are a great delicacy and represent a choice dish of the cabbage family.

They are cooked similar to cabbage. They are very hardy and may be grown in the north as well as the south, as they may be left out until



Brussels Sprouts.

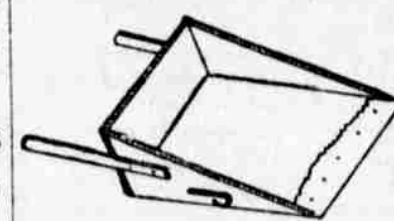
freezing weather begins. Light freezing does not injure this plant, and it is thought by many that freezing really improves it.

The plants may be started in the hot bed and handled similar to cabbage. They should be transplanted when the seedlings show the third leaf. Grow them rapidly and transplant to the open ground as soon as weather permits in the spring. Set out in a rich, moist section of the garden, and allow plenty of room. There are many varieties of Brussels sprouts, but one will have no difficulty in securing a satisfactory variety as most of them are desirable.

GOOD SCRAPER EASILY MADE

Implement Will Be Found of Much Benefit Where Little Jobs Are Needed—How to Make One.

There are many jobs upon the farm that require a few hours' use of a scraper, yet are not important enough to require the purchase of one. The scraper shown in illustration may be constructed of two-inch thick planking, securely bolted together and also reinforced with angle irons, to make the joints more secure against the strain. The blade or cutting surface is made of an old saw blade, bolted to the box



An Easily Made Scraper.

as shown in illustration. The horses are attached by a chain fastened to two iron hooks, one upon each side of the scraper. With two handles it is complete and ready to save many times its cost in small filling jobs.

Church Maintained Theater.

St. Paul's cathedral in London actually maintained a theater during the reign of Elizabeth and the first years of the reign of James I. An adjacent building was used as a theater, and the actors were the boys of the choir. The company presented many of the most important plays of the time.

NOTICE TO WATER USERS.

State Engineer's Office,
Salt Lake City, Utah, Feb. 14, 1911.

Notice is hereby given that Ole Sonne, whose post office address is Logan, Utah, has made application in accordance with the requirements of the compiled Laws of Utah, 1907, as amended by the Session Laws of Utah, 1909, to appropriate twelve (12) cubic feet per second of water from Three Mile Creek, Cache county, Utah. Said water will be diverted at a point which lies 2,145 feet south and 1,326 feet west of the northeast corner of section 29, township 12 north, range 1 west, Salt Lake base and meridian, from where it will be conveyed by means of a canal for a distance of 1,485 feet and there used during the period from June 1 to September 15, inclusive, of each year, to irrigate 120 acres of land embraced in sections 28 and 29, township 12 north, range 1 west, Salt Lake base and meridian. This application is designated in the State Engineer's office as No. 3,500.

All protests against the granting of said application, stating the reasons therefor, must be made by affidavit in duplicate and filed in this office within thirty (30) days after the completion of the publication of this notice.

CALEB TANNER,
State Engineer.
Date of first publication April 12, 1911. Date of completion of publication May 12, 1911. my12

Delicately Expressed.
"It is not always necessary to make a direct accusation," said the lawyer who was asking damages because insinuations had been made against his client's good name. "You may have heard of the woman who called to the servant girl, 'Mary, Mary, come here and take the parrot downstairs—the master has dropped his collar-stud.'—Tit-Bits.

Eccentric Work Basket.
There are workbags made of turtles. Could anything be odder? And yet they are not unattractive, queer as they sound. The shell of the turtle is lined with some gay silk, and the tail is pulled over and inserted in the mouth, then used as a handle. They make nice sewing baskets, and will undoubtedly appeal to the lovers of the eccentric.



The Working Man Telephones

"Who was that talking, John?"

"Oh, that was Mr. Blank. He wants me to go to work for him tomorrow."

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